Advance Planning Brief to Industry

PM Constructive Simulation

The Army Constructive Training ... tion (ACTF)

OneSAF

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Common Battle Command Simulation Equipment

- CBCSE
- TACSIM
- DBST
- CBS/ALSP
- IEWTPT

APM ACTF
Mr. Robert Miller

Army Constructive Training Federation

APM WARSIM
Mr. Greg Manross
(Acting)

Warfighters' Simulation

- WARSIM
- WIM

PM OneSAF
LTC John Surdu (PM)

One Semi-Automated Forces

- OneSAF
- OneSAF Testbed
- MPARS

Development Coordination

ACTF Technology Capabilities Groups

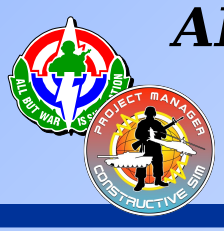
- **Product/Program Acquisitions:**
  - **Federation of ACTF-related simulations, e.g., WARSIM/WIM, OneSAF, JCATS, LOGFED (CSSTSS/JDLM), CBS, TACSIM, DBST, LOD, SIMPLE, Vision XXI**
  - **COTS Hardware (Common Battle Command Simulation Equipment (CBCSE)) and software to support ACTF**
  - **Continuing PPSS effort for current simulations, e.g., CBS, TACSIM, DBST**
- **Future Acquisitions:**
  - **Yearly ACTF Version Releases (FY04 and beyond)**
  - **Future integration effort currently being explored**
  - **Technology Refresh (FY09 and beyond)**

ACTF Descriptio

The Army Constructive Training Federation (ACTF) consists of a variety of current/projected simulations and supporting applications and hardware designed to address the training needs of the Joint Force Land Component Commander (JFLCC) and Army Title X requirements across the Range of Military Operations.

Lead System Integrator (LSI) – NA

ARMY CONSTRUCTIVE TRAINING FEDERATION MIGRATION



04/05 V1/V2

- C4ISR
- CBS
- JCATS
- DBST
- WARSIM
- TACSIM
- ALSP
- CSSTSS
- JDLM
- WARSIM POP
- Interfaces
- LOD
- AAR
- To Live & Virtual
- To JNTC Models

06 V3

- C4ISR
- CBS
- WARSIM
- JCATS
- DBST
- LOGFED
- To JNTC Models
- TACSIM
- OneSAF
- Interfaces
- LOD
- AAR
- To Live & Virtual

07 V4

- C4ISR
- CBS
- WARSIM
- JCATS
- LOGFED
- OneSAF
- HLA
- To JNTC Models
- Interfaces
- LOD
- AAR
- To Live & Virtual

...OBJECTIVE SYSTEM

- C4ISR
- WARSIM (UE)
- OneSAF (UA & below)
- LOGFED
- LOD
- HLA
- Interfaces
- AAR
- To Live & Virtual
- To JNTC Models

The *ACTF integration focuses on JOE enhancements* throughout

- ***Proof of Principle***
- ***Urban Ops***
- ***SOF***
- ***ISR, IO***
- ***Joint/Svc I-face***
- ***LVC I-faces***
- ***Multi-sided***

- ***Enhanced models/ scalability***
- ***Logistics***
- ***Enhanced Joint/Svcs I-faces***
- ***C4I I-face (part)***
- ***IO &IW***

- ***Enhanced models/ scalability***
- ***Enhanced logistics***
- ***C4I I-face (final)***
- ***Enhanced Joint/Svcs I-faces***

- ***Operation Desert St***
- ***Operation Iraqi Free***
- ***Operation Enduring Freedom***
- ***Haiti***
- ***Philippines***

ACTF Contracting Opportunities Information

- **Estimated Award Date: Contract awarded**
- **<u>ACTF POC Information</u>**
- **Name: Robert Miller**
- **Phone: 407-384-3685**
- **E-Mail: rob.miller@peostri.army.mil**

- **Estimated Award Date: Contract awarded**
- **<u>Common Battle Command Simulation Equipment (CBCSE) Procurement POC Information</u>**
- **Name: Paul Pike**
- **Phone: 407-384-3633**
- **E-Mail: paul.pike@peostri.army.mil**

ACTF Existing Contract Information

- WARSIM/WIM
  - Lockheed Martin Simulation & Training Support
  - Kenneth Ray, Contract Manager
- TACSIM
  - Northrup Grumman
  - Lisa Marcoux – Senior Contract Rep
- CBS
  - Jet Propulsion Lab (JPL)
  - Joe Provenzano, Project Manager
- DBST
  - Aegis
  - Paul Vickery, Contract Manager

OneSAF Technology Capabilities Groups

- **Product/Program Acquisitions:**
- **OneSAF**
  - **OneSAF Testbed Baseline (OTB)**
  - **OneSAF Objective System (OOS)**
    - **Architecture & Integration**
    - **Environmental Runtime Component**
    - **C4I Adapter Component**
    - **Military Scenario Development Environment / Stealth / AAR Components**

- **Future Acquisitions:**
  - **OneSAF**
    - **NET / Fielding (FY06)**
    - **P3I (FY06)**
    - **PPSS (FY07)**

OneSAF Descriptio

One Semi Automated Forces (OneSAF) Objective System (OOS)

Provides next generation Computer Generated Forces CGF/SAF entity-based constructive simulation at brigade and below with linkages between constructive, virtual, and live domains.

FOC and Army wide fielding in FY06.

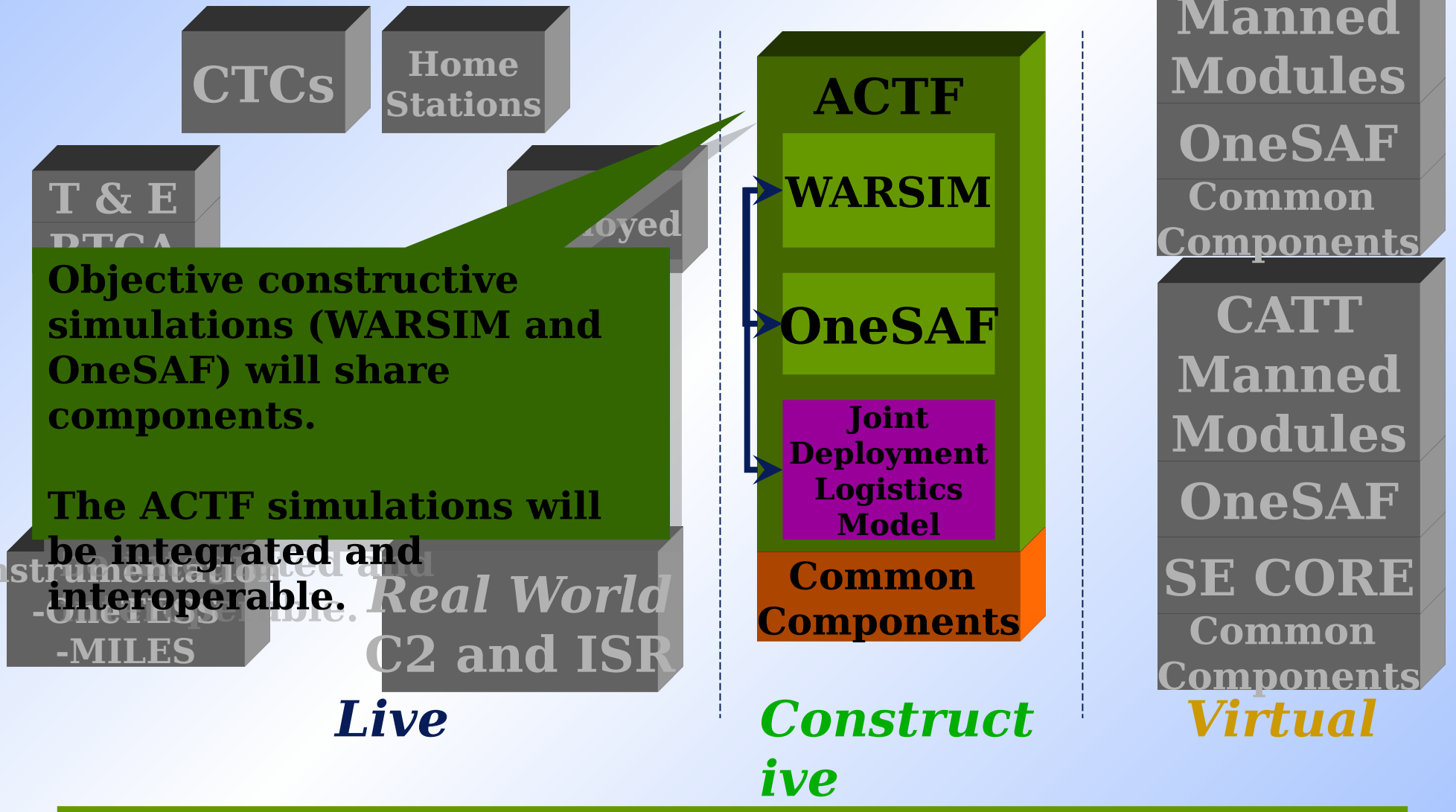
OneSAF Existing Contract Information

One Semi Automated Forces (OneSAF) Objective System (OOS)

- Architecture & Integration Task Order (STOC)
  - SAIC, Ellen Hatcher, Contracts Manager
- Environmental Runtime Component (STOC)
  - SAIC, Ellen Hatcher, Contracts Manager
- C4I Adapter Task Order (STOC)
  - Northrop Grumman Information Tech, Lisa Marcoux, Sr. Contracts Rep
- Knowledge Acquisition/Knowledge Engineering Task Order (STOC)
  - AEgis, Jim Seibold, Program Manager
- Research on OneSAF Scenario Design & AAR Technologies (BAA)
  - AcuSoft, William R. Szymanski, Chief Operating Officer

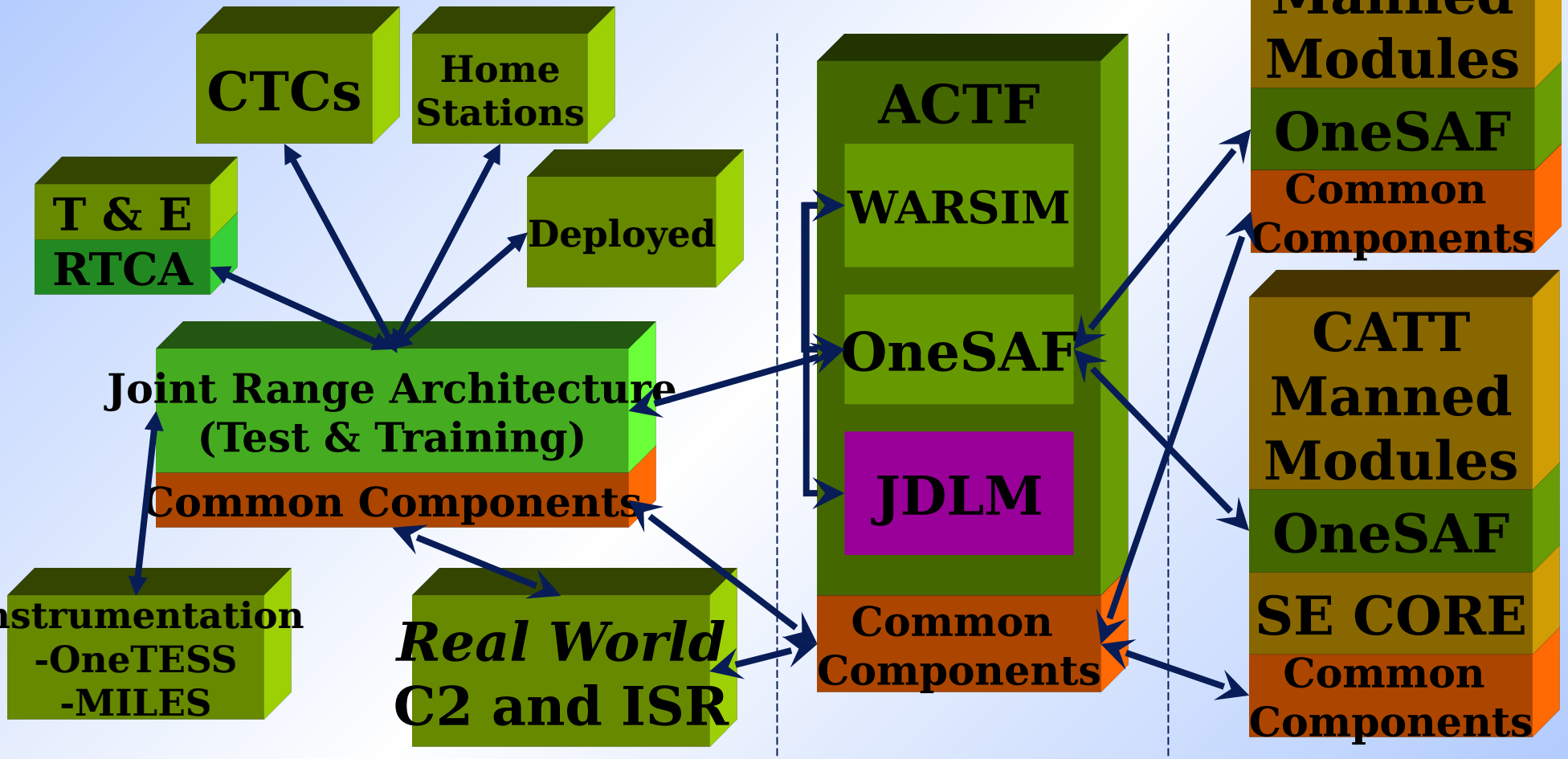
Backup Slides

LVC Environment enabled by Future Systems
The Army Constructive Training Federation



Interoperability/Commonality = flexible and adaptable

LVC Environment Enabled by Future Systems Joint Context



Fully Interoperable Training Capability

Acronyms

AAR	After Action Review
ACTF	Army Constructive Training Federation
API	Application Protocol Interface
CATT	Combined Arms Tactical Trainer
C2SE	Command and Control Simulation Equipment
C4ISR	Command, Control, Communications, Computers, Intel, Surveillance and Reconnaissance
CBS	CORPS Battle Simulation
CSS	Combat Service Support
CSSTSS	Combat Service Support Training Simulation System
CTIA	Common Training Instrumentation Architecture
DBST	Digital Battlestaff Sustainment Trainer
DIF	Data Interchange Format
IEWTPT	Intelligence & Electronic Warfare Tactical Proficiency Trainer
JCATS	Joint Conflict And Tactical Simulation
JDLM	Joint Deployment Logistics Model
JIM	Joint Interagency Multinational
LOD	Low Overhead Driver
LVC - IA	Live, Virtual, Constructive - Integrated Architecture
MOUT	Military Operations in Urban Terrain
OneSAF	One Semi-Automated Forces
OneTESS	One Tactical Engagement Simulation System
OIS	Future Instrumentation System
PoP	Proof of Principal
SE Core	Synthetic Environment Core
TACSIM	Tactical Simulation
TENA	Test and Training ENabling Architecture
WARSIM	Warfighter's Simulation